TP-580R

4K UHD HDMI, Bidirectional RS−232, IR over Twisted Pair HDBaseT Receiver

The TP−580R isa 4K UHD, twisted pair receiver for HDMI, bidirectional RS−232 and IR signals. It supports resolutions up to UHD (4:2:0). The TP−580T converts HDMI, RS−232, and IR signals into a twisted pair signal that it transmits to a TP−580R receiver. The TP−580R converts the twisted pair signal back into HDMI, bidirectional RS−232 and IR signals.

FEATURES

- **Resolution Support.** - Up to UHD (4:2:0).
- **Max. Data Rate** - 10.2Gbps (3.4Gbps per graphic channel).
- **HDTV Compatible.**
- **HDCP Compliance.**
- **HDBaseT™ Technology.**
- **HDMI Support** - Deep Color, x.v.Color™, Lip Sync, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS−HD, CEC.
- **3D Pass-Through.**
- **EDID PassThru** - Passes EDID signals between the source and display.
- **Bidirectional RS-232 & IR Interface.** - Commands and data can flow in both directions via the RS−232 interface, allowing status requests and remote control of the destination unit.
- **System Range** - Up to 70m (230ft).
- **Cable** - For optimum range and performance using HDBaseT™, use Kramer's BC−HDKat6a cable. Note that the transmission range depends on the signal resolution, source and display used. The distance using non−Kramer CAT 6 cable may not reach these ranges.
- **Indicators** - Status LEDs for input, output, link and power.
- **Compact DigiTOOLS®** - 3 units can be rack mounted side−by−side in a 1U rack space with the optional RK−3T universal rack adapter.

TECHNICAL SPECIFICATIONS

INPUTS:	1 twisted pair RJ−45 connector.
OUTPUTS:	1 HDMI connector.
PORTS:	1 IR on a 3.5mm mini jack, 1 RS−232 on a 9−pin D−sub connector.
BANDWIDTH:	10.2Gbps (3.4Gbps per graphic channel).
RS-232 BAUD RATE:	115200.
COMPLIANCE WITH HDMI STANDARD:	Supports HDMI and HDCP.
POWER CONSUMPTION:	12V DC, 430mA.
OPERATING TEMPERATURE:	0° to 40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	18.8cm x 11.4cm x 2.4cm (7.4" x 4.5" x 1.0") W, D, H.
WEIGHT:	0.6kg (1.4lbs).
INCLUDED ACCESSORIES:	2 power supplies.
OPTIONS:	RK−T2B 19" rack mount, Kramer external IR sensor (P/N: 95−0104050), Kramer IR emitter cable (P/N: C−A35/IRE−10), Kramer BC−HDKat6a cable.